

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/006057

**A. CLASSIFICATION OF SUBJECT MATTER**  
Int.Cl<sup>7</sup> H01L31/0224

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl<sup>7</sup> H01L31/00-31/20, H05K3/32-3/34

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1922-1996	Jitsuyo Shinan Toroku Koho	1996-2005
Kokai Jitsuyo Shinan Koho	1971-2005	Toroku Jitsuyo Shinan Koho	1994-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 2002-217434 A (Sharp Corp.), 02 August, 2002 (02.08.02), & US 2002/0148499 A	1-13
Y	JP 6-334203 A (Canon Inc.), 02 December, 1994 (02.12.94),	1-13
A	JP 2000-22188 A (NPC Inc.), 21 January, 2000 (21.01.00),	1-13
A	WO 02/103809 A (ASE AMERICAS INC.), 27 December, 2002 (27.12.02), & US 2003/0000568 A & EP 1396034 A & JP 2004-531893 A	1-13

Further documents are listed in the continuation of Box C.

See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

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"&" document member of the same patent family

Date of the actual completion of the international search  
10 May, 2005 (10.05.05)

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31 May, 2005 (31.05.05)

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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 5-245622 A (Senju Metal Industry Co., Ltd.), 24 September, 1993 (24.09.93), (Family: none)	1-13
Y	JP 8-222849 A (Tokyo Electron Yamanashi Ltd.), 30 August, 1996 (30.08.96), (Family: none)	1-13
E, A	JP 2005-72389 A (Kyocera Corp.), 17 March, 2005 (17.03.05),	1-13